

Title (en)

METHOD AND DEVICE FOR REMOVING DUST PARTICLES FROM REDUCING GAS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ENTFERNEN VON STAUBPARTIKELN AUS REDUKTIONSGAS

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR ÉLIMINER LES PARTICULES DE POUSSIÈRE D'UN GAZ RÉDUCTEUR

Publication

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Application

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Abstract (en)

[origin: EP2638945A2] The present invention relates to a method and device for removing dust particles from reducing gas. The method of the present invention comprises a step of providing reducing gas, a step of injecting the reducing gas into a chamber including a sacrificial nozzle therein, and a step of discharging the reducing gas from the chamber. According to the present invention, since low-melting alkali chloride contained in the reducing gas is removed before being blown into a fluidized reducing furnace, the operation rate of the fluidized reducing furnace is improved due to the reduced clogging of the distribution nozzle in the fluidized reducing furnace, and the ore reduction rate is increased and fuel costs are reduced as the temperature of the reducing gas is increased.

IPC 8 full level

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Citation (search report)

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CN110702942A

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